

What is claimed is:

1. A program guide data processing apparatus comprising:

an SCID_filter section including a plurality of SCIDs for receiving A/V data provided in an A/V signal format;

5 a frame_filter section, composed of a plurality of headers, for being mapped on the SCID-filter section in a multi-to-multi correspondence so that at least one of the headers corresponds to the plurality of SCIDs; and

10 a memory section for forming a buffer for each of the SCIDs, and storing program guide data in the unit of a frame.

2. The apparatus as claimed in claim 1, wherein the respective header in the frame_filter section comprises:

a frame_header section for representing an inherent value of the corresponding header;

15 an SCID_number section having at least one SCID set in the respective frame_header section; and

a mask section for selecting a mask of the corresponding header.

3. The apparatus as claimed in claim 2, wherein the SCID_number section represents an order set in the SCID_filter, that is a register
20 number where the corresponding SCID is stored.

4. The apparatus as claimed in claim 1, wherein the memory section includes start and end address regions of the buffer where the program guide data is stored, a matched SCID_number section region, and a matched frame_header section region.

5. The apparatus as claimed in claim 4, wherein a size of the memory section is '(the maximum number of SCIDs corresponding to one header)*(the size of the buffer set by a user : the minimum value whereby the buffer is not in full)'.

6. The apparatus as claimed in claim 5, wherein when APG data is transmitted to the buffer, the SCID that matches the frame and the register number of the frame_header are also transmitted along with a frame_start_point, and a frame_end_point.

7. The apparatus as claimed in claim 1, wherein the respective SCID in the SCID_filter section comprises:

an identifier (ID) for representing an inherent value of the corresponding SCID; and

a bit map that matches at least one frame_header.